

Curriculum Journey

KS4 & KS5 Chemistry

Careers

University,
Apprenticeship
Medicine,
Engineering,
Research,
Scientist
Forensics,
Environmentalist

NEA

Required
Practical's

Endorsement at
KS5

GCSE
Chemistry

Next Steps

A level Biology,
Chemistry,
Physics, BTEC
Forensic Science

Skills for Life

Independence
Resilience
Problem solving
Creativity
Time
management
Communication
Logical thinking

A Level Chemistry Exams Papers 1 (41%), 2 (37%) & 3 (22%)

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OCR Salters B Topics 6 – 10

The Chemical Industry
Polymers and Life
The Oceans
Developing Metals
Colour by Design

AS Mock Exam on Year 1 Topics

OCR Salters B Topics 1 - 5

Elements of Life
Developing Fuels
Elements from the Sea
The Ozone Story
What's in a medicine

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Components

Topic 7 - Organic Chemistry
Topic 8 - Chemical Analysis
Topic 9 - Chemistry of the Atmosphere
Topic 10 - Using Resources

GCSE Chemistry paper 2

Components

Topic 4 – Chemical Changes
Topic 3 – Quantitative Chemistry
Topic 5 – Energy changes
Topic 6 – The rate and extent of
chemical change

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GCSE Chemistry paper 1

A level
Chemistry

Skills and Knowledge Building

AO1: Demonstrate knowledge and understanding of scientific ideas, processes, techniques and procedures.

AO2: Apply knowledge and understanding of scientific ideas, processes, techniques and procedures:• in a theoretical context• in a practical context• when handling qualitative data• when handling quantitative data

AO3: Analyse, interpret and evaluate scientific information, ideas and evidence, including in relation to issues, to:

- make judgements and reach conclusions• develop and refine practical design and procedures

Skills and Knowledge Building

AO1: Demonstrate knowledge and understanding of: scientific ideas; scientific techniques and procedures.

• AO2: Apply knowledge and understanding of: scientific ideas; scientific enquiry, techniques and procedures.
• AO3: Analyse information and ideas to: interpret and evaluate; make judgments and draw conclusions; develop and improve experimental procedures.

